

ABSTRACT

A system and method is provided for detecting emitter signals and for determining a scan strategy for a receiver system that receives such emitter signals. Once a scan strategy is computed, it may be desirable to evaluate the scan strategy's intercept performance against a given emitter set under specific altitude, range and receiver load conditions. 2D and 3D emitter scan patterns are modeled and simulated. The receiver scan is also modeled and simulated. Performance statistics from the simulation are collected and analyzed.

10